



XT26000 SERIES



+200°C

ELECTRICAL SPECIFICATIONS

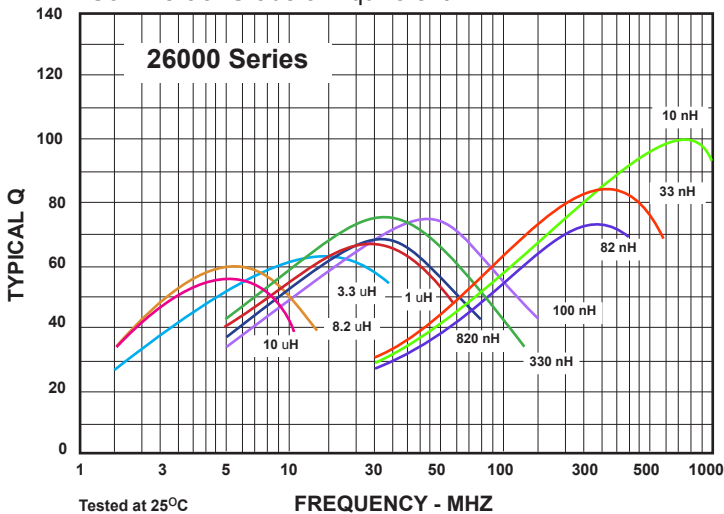
- **Inductance Range:** 0.010 uH to 10 uH
- **Inductance Tolerance:** Standard is $\pm 10\%$, tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -55°C to +200°C
- **Storage Temperature:** -55°C to 200°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
 - P/N XT26000 thru XT26011: +125 PPM/oC Max.
 - P/N XT26012 thru XT26036: +80 PPM/oC Max.

FEATURES

- **Ideal for geophysical applications in environments up to 200°C**
- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** HMP solder
- **Optional Termination On Request:** Gold plated terminations (add suffix "G")
- **Tape and Reel Packaging Available**
- **Recommended Mounting Technique**
 - Reflow or Vapor Phase Soldering
 - Conductive Epoxy
 - Wire bonding (gold lead only)

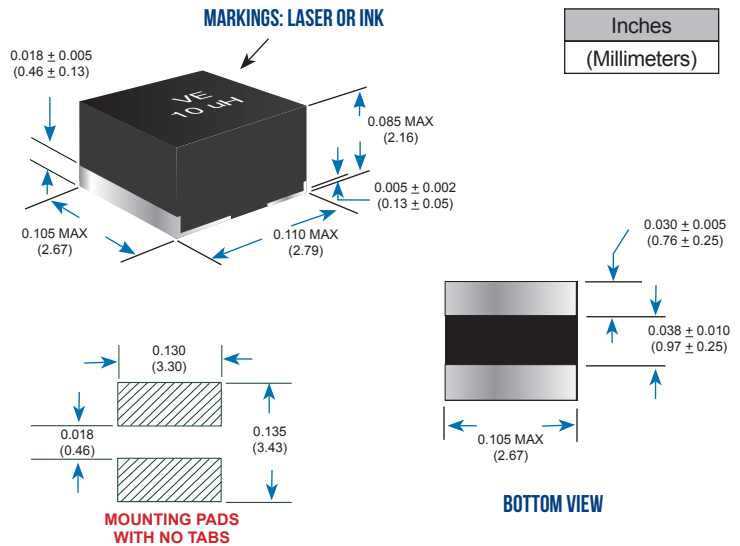
APPLICATIONS

- **Additional Application Grades Available:**
 - Military Grade (MIL-PRF-83446)
 - Space Grade (MIL-STD-981)
 - Commercial Grade or Equivalent

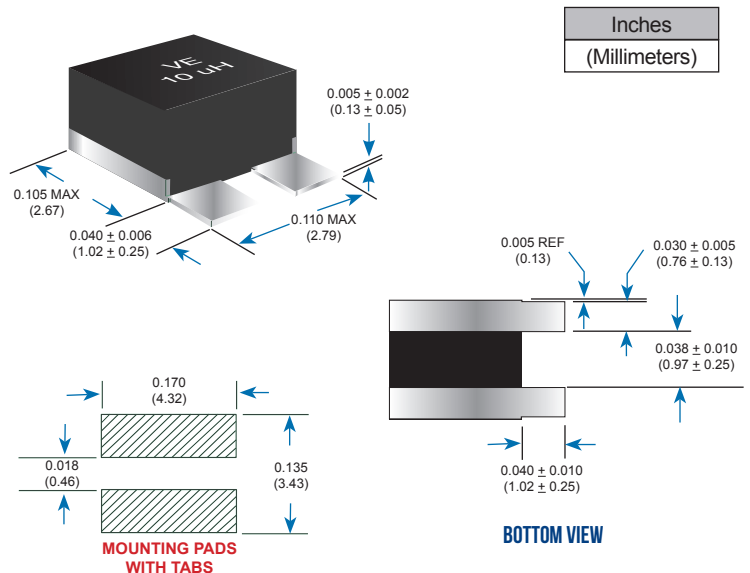


Inductance Range (uH)	Typical Q	Current Rating (mA)
0.010 to 10	50 to 60	87 to 630

NO TABS



WITH TABS



XT26000 SERIES





DATA TABLE

WITH TAB TERMINATIONS	WITHOUT TAB TERMINATIONS							
VE P/N	VE P/N	Inductance (uH)	Q (Min)	Q (Typ)	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Max (mA)
XT26000	XT26000 NT	0.010	50	55	150	2000	0.025	750
XT26001	XT26001 NT	0.012	50	55	150	2000	0.025	750
XT26002	XT26002 NT	0.015	50	55	150	1800	0.040	750
XT26003	XT26003 NT	0.018	50	55	150	1500	0.040	750
XT26004	XT26004 NT	0.022	45	50	100	1400	0.040	750
XT26005	XT26005 NT	0.027	45	50	100	1200	0.040	750
XT26006	XT26006 NT	0.033	47	55	100	1200	0.050	640
XT26007	XT26007 NT	0.039	47	55	100	1200	0.070	600
XT26008	XT26008 NT	0.047	47	55	100	1000	0.080	550
XT26009	XT26009 NT	0.056	47	55	100	900	0.090	520
XT26010	XT26010 NT	0.068	47	55	100	900	0.100	480
XT26011	XT26011 NT	0.082	47	55	100	750	0.110	470
XT26012	XT26012 NT	0.10	47	55	50	700	0.110	470
XT26013	XT26013 NT	0.12	47	55	50	600	0.110	470
XT26014	XT26014 NT	0.15	47	55	50	500	0.120	450
XT26015	XT26015 NT	0.18	51	60	50	450	0.140	430
XT26016	XT26016 NT	0.22	51	60	50	420	0.20	350
XT26017	XT26017 NT	0.27	51	60	50	400	0.25	310
XT26018	XT26018 NT	0.33	51	60	50	320	0.30	280
XT26019	XT26019 NT	0.39	47	55	50	270	0.45	240
XT26020	XT26020 NT	0.47	47	55	25	250	0.50	230
XT26021	XT26021 NT	0.56	52	60	25	200	0.55	220
XT26022	XT26022 NT	0.68	52	60	25	180	0.58	210
XT26023	XT26023 NT	0.82	52	60	25	150	0.60	200
XT26024	XT26024 NT	1.0	52	60	25	120	0.65	190
XT26025	XT26025 NT	1.2	42	50	7.9	110	0.75	180
XT26026	XT26026 NT	1.5	42	50	7.9	100	1.1	160
XT26027	XT26027 NT	1.8	48	55	7.9	95	1.2	150
XT26028	XT26028 NT	2.2	48	55	7.9	90	1.3	140
XT26029	XT26029 NT	2.7	48	55	7.9	65	1.5	130
XT26030	XT26030 NT	3.3	48	55	7.9	55	1.8	120
XT26031	XT26031 NT	3.9	48	55	7.9	45	2.0	110
XT26032	XT26032 NT	4.7	48	55	7.9	43	2.3	100
XT26033	XT26033 NT	5.6	48	55	7.9	40	2.5	100
XT26034	XT26034 NT	6.8	46	53	7.9	38	2.6	98
XT26035	XT26035 NT	8.2	46	53	7.9	35	2.8	95
XT26036	XT26036 NT	10.0	46	53	7.9	33	3.3	87

Test Fixtures and Equipment:

To assure accurate measurement of Inductance and Q, use test fixtures and equipment specified in Technical Information on VE1.com.

CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

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